

ABSTRACT

A turbine blade for a turbine engine having an impingement cooling system in at least the trailing edge of the turbine blade. The cooling system may include one or more first impingement ribs positioned generally parallel to the trailing edge and
5 impingement ribs positioned obliquely relative to the first impingement ribs forming one or more triangular cavities. The impingement ribs may include orifices for allowing cooling gases to flow through the triangular cavities and be exhausted through the trailing edge of the turbine blade. The orifices in the second and third impingement ribs may be positioned obliquely relative to the an outer wall.